

Data sheet

6ES7972-0BA12-0XA0

product description

PROFIBUS bus connector, RS 485, screw, without programming port, 90°
SIMATIC DP, Connection plug for PROFIBUS up to 12 Mbit/s 90° cable outlet, 15.8x 64x 35.6 mm (WxHxD), terminating resistor with isolating function, without PG socket



suitability for use	for connecting PROFIBUS nodes to the PROFIBUS bus cable
transfer rate	
transfer rate / with PROFIBUS DP	9.6 kbit/s ... 12 Mbit/s
interfaces	
number of electrical connections	
• for PROFIBUS cables	2
• for network components or terminal equipment	1
type of electrical connection	
• for PROFIBUS cables	Screw
• for network components or terminal equipment	9-pin sub D connector
mechanical data	
design of terminating resistor	Resistor combination integrated and connectable via slide switch
material / of the enclosure	plastic
locking mechanism design	Screwed joint
design, dimensions and weights	
type of cable outlet	90 degree cable outlet

width	15.8 mm
height	64 mm
depth	35.6 mm
net weight	10 g

ambient conditions

ambient temperature	
• during operation	0 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
protection class IP	IP20

product features, product functions, product components / general

product feature	
• silicon-free	Yes
product component	
• PG connection socket	No
• strain relief	Yes

standards, specifications, approvals

certificate of suitability	
• RoHS conformity	Yes
• UL approval	Yes
• reference code / acc. to IEC 81346-2	XF

last modified: 11/25/2020